

03-18-02

PATENT
USA.302

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventors: Sherwood et al.

) Attorney Docket No.: USA.302

Title: INFILTRATION OF THREE-
DIMENSIONAL OBJECTS
FORMED BY SOLID
FREEFORM FABRICATION

) Express Mail Label No.: EE077045595US

Date Filed: March 13, 2002

) Customer No.: 022514

BOX PATENT APPLICATION

U.S. Patent and Trademark Office
P.O. Box 2327
Arlington, VA 22202

Certificate Under 37 CFR §1.10

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March 13, 2002

Date of Deposit

Janice Gainer

Name

Signature

UTILITY PATENT APPLICATION TRANSMITTAL

Transmitted herewith for filing is the patent application of Inventor(s): Michael Thomas Sherwood and Pingyong Xu.

APPLICATION ELEMENTS

1. Fee Transmittal Form.

2. Type of Application.

This new application is for a(n) (check one applicable item below):

☒ Original

☐ Divisional

☐ Continuation

☐ Continuation-in-part (CIP) of Prior Application No.:
Examiner: Group Art Unit:

3. Papers Enclosed Which Are Required For Filing Date Under 37 CFR 1.53(b).

- | | | |
|--|---------------|-----------|
| <input checked="" type="checkbox"/> Pages of Specification | Total Pages: | <u>36</u> |
| <input checked="" type="checkbox"/> Drawings - Formal | Total Sheets: | <u>1</u> |
| <input checked="" type="checkbox"/> Oath or Declaration and Power of Attorney for Patent Application | | |
| <input checked="" type="checkbox"/> Newly executed (original or copy) | | |
| <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) | | |

4. Additional Papers Enclosed.

- ☒ Request and Certification Under 35 USC 122(b)(2)(B)(i)
- ☒ Assignment Papers (cover sheet & document(s))
- ☒ Information Disclosure Statement (IDS)/PTO-1449
Copies of IDS Citations
- ☒ Return Receipt Postcard (MPEP 503)

5. Inventorship.

The inventorship names and addresses for all the claims in this application are:

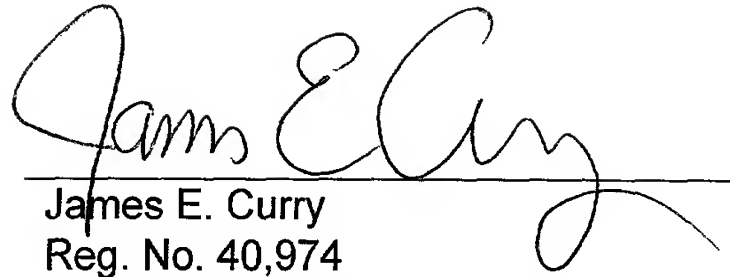
Michael Thomas Sherwood
29849 Westhaven Drive
Agoura Hills, CA 91301

Pingyong Xu
23229 Savory Place
Valencia, CA 91354

6. **Language.**

☒ English

Dated: March 13, 2002


James E. Curry
Reg. No. 40,974
Attorney for Applicants

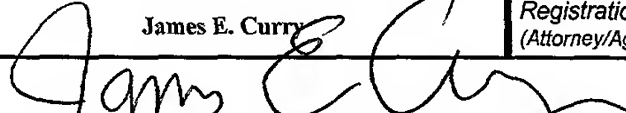
3D Systems, Inc.
26081 Avenue Hall
Valencia, CA 91355
(661) 295-5600, ext. 2470

☒ **Statement Where No Further Pages Added.**

☒ **This Transmittal Ends With This Page.**

FEE TRANSMITTAL for FY 2002 <i>Patent fees are subject to annual revision.</i>		Complete if Known	
		Application Number	To be assigned
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Filing Date	March 13, 2002
		First Named Inventor	Sherwood
TOTAL AMOUNT OF PAYMENT		Examiner Name	To be assigned
		Group Art Unit	To be assigned
\$834.00		Attorney Docket No.	USA.302

METHOD OF PAYMENT (check all that apply)		FEE CALCULATION (continued)					
<input type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money <input type="checkbox"/> Other <input type="checkbox"/> None		3. ADDITIONAL FEES					
<input checked="" type="checkbox"/> Deposit Account:		Large Entity Small Entity					
Deposit Account Number		Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
20-0900		105	130	205	65	Surcharge - late filing fee or oath	
Deposit Account Name		127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
3D Systems, Inc.		139	130	139	130	Non - English specification	
The Commissioner is authorized to: (check all that apply)		147	2,520	147	2,520	For filing a request for ex parte reexamination	
<input checked="" type="checkbox"/> Charge fee(s) indicated below		112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
<input checked="" type="checkbox"/> Credit any overpayments		113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
<input checked="" type="checkbox"/> Charge any additional fee(s) during the pendency of this application		115	110	215	55	Extension for reply within first month	
<input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee to the above identified deposit account		116	400	216	200	Extension for reply within second month	
FEE CALCULATION		117	920	217	460	Extension for reply within third month	
1. BASIC FILING FEE		118	1,440	218	720	Extension for reply within fourth month	
Large Entity Small Entity		128	1,960	228	980	Extension for reply within fifth month	
Fee Code	Fee (\$)	119	320	219	160	Notice of Appeal	
101	740	120	320	220	160	Filing a brief in support of an appeal	
106	330	121	280	221	140	Request for oral hearing	
107	510	138	1,510	138	1,510	Petition to institute a public use proceeding	
108	740	140	110	240	55	Petition to revive - unavoidable	
114	160	141	1,280	241	640	Petition to revive - unintentional	
SUBTOTAL (1)		142	1,280	242	640	Utility issue fee (or reissue)	
\$740.00		143	460	243	230	Design issue fee	
2. EXTRA CLAIM FEES FOR UTILITY AND		144	620	244	310	Plant issue fee	
Extra Claims Fee from below Fee Paid		122	130	122	130	Petitions to the Commissioner	
Total Claims	23 -20** = 3 X 18.00 = 54.00	123	50	123	50	Processing fee under 37 CFR § 1.17(q)	
Independent Claims	2 -3** = 0 X 0.00 = 0.00	126	180	126	180	Submission of Information Disclosure Statement	
Multiple Dependent		581	40	581	40	Recording each patent assignment per property (times number of properties)	40.00
Large Entity Small Entity		146	740	246	370	Filing a submission after final rejection (37 CFR § 1.129(a))	
Fee Code	Fee (\$)	149	740	249	370	For each additional invention to be examined (37 CFR § 1.129(b))	
103	18	179	740	279	370	Request for Continued Examination (RCE)	
102	84	169	900	169	900	Request for expedited examination of a design application	
104	280	Other fee (specify) _____					
109	84	SUBTOTAL (3)					\$40.00
110	18	*Reduced by Basic Filing Fee Paid					
SUBTOTAL (2)							
\$54.00							
**or number previously paid, if greater; For Reissues, see above							

SUBMITTED BY		Complete (if applicable)			
Name	James E. Curry	Registration No. (Attorney/Agent)	40,974	Telephone	661-295-5600 ext. 2470
Signature		Date	March 13, 2002		

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Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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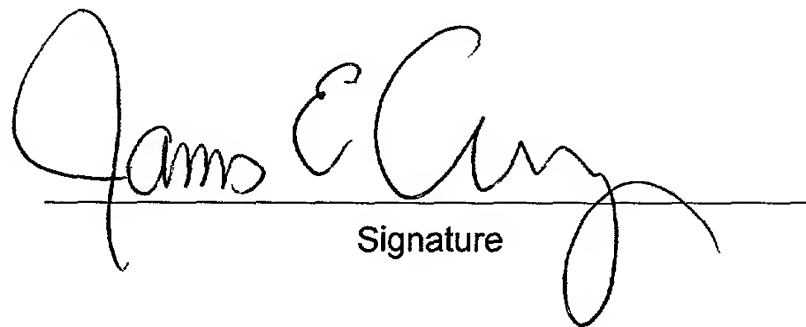
**REQUEST AND CERTIFICATION
UNDER
35 U.S.C. 122(b)(2)(B)(i)**

First Named Inventor	Sherwood
Title	Infiltration of Three-Dimensional Objects Formed by Solid Freeform Fabrication
Atty Docket Number	USA.302

I hereby certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. 122(b).

March 13, 2002

Date



Signature

James E. Curry

Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**